

# PHENIX WEEKLY PLANNING



TECHNICAL SUPPORT 2010

11/25/2010  
Don Lynch

11/25/2010

No Meeting This Week  
Thanksgiving Day Holiday

*Go Jets!*

## Remaining Shutdown Tasks

<u>Project</u>	<u>Task</u>	<u>Completion Date</u>	<u>Task Duration</u>	<u>Personnel reqmts</u>	<u>Notes</u>
PHENIX	Chiller cooling water	Done	1 day	2 CAD techs	Done
VTX	Assemble west 1/2 detector	Done	1 day	2 PHENIX techs, designer VTX grp	Done
VTX	Design survey theodolite support brackets for CM lead shield	Done	1 day	1 PHENIX dsgrnr	Done
VTX	Route fibers rack room to CME Rack	Done	3 days	3 PHENIX techs	Done
PHENIX	Bakeout/activate NEG for new BP	Done	2 weeks	2 PHENIX techs, 2 CAD vac techs	Done
PHENIX	Leak check new BP	Done	1 day	2 CAD vac techs	Done
VTX	Test west 1/2 detector	Done	1 day	VTX group	Done
VTX	Survey east barrels 1-4	Done	4 days	1 PHENIX tech, designer, 3 surveyors	Done
PHENIX	Re-run MuTrigger fiber from MMS to rack room	Done	1 day	3 PHENIX techs	Done
VTX	Fabricate survey support brackets	Done	1 day	1 PHENIX Tech	Done
VTX	Bring Support structure to Chem Lab - Done	Done	1 day	2 PHENIX techs	Done
VTX	Install survey support brackets	Done	1 day	1 PHENIX tech	Done

## Remaining Shutdown Tasks, Continued

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<u>Project</u>	<u>Task</u>	<u>Completion Date</u>	<u>Task Duration</u>	<u>Personnel reqmts</u>	<u>Notes</u>
RPC3S	Build TVB wall	Done	1 week		Done
VTX	Survey west 1/2 detector	Done	1 day	1 PHENIX tech, designer, 3 surveyors	Done
VTX	Re-install bridge water manifold and cable trays	Done	1 day	2 PHENIX techs	Done
VTX	Chiller platform 480V power	Done	1 day	PHENIX EE, electrician	Done
VTX	Assemble east 1/2 detector	Done	1 day	PHENIX tech, designer, VTX grp	Done
PHENIX	Re-install MuTr station 2 channel air distribution	Done	1 day	2 PHENIX techs	Done
VTX	Prepare thermocouple map	Done	1 day	2 PHENIX tech, designer	Done
VTX	Test east 1/2 detector	Done	1 day	VTX Group	Done
VTX	Install NOVEC piping from chiller platform area to VTX area	Done	1 week	2 PHENIX techs	Done
VTX	Receive extension rails/design/modify for installation	Done	1 day	1 PHENIX tech	Done
VTX	Survey east 1/2 detector	Done	1 day	1 PHENIX tech, designer, 3 surveyors	Done
PHENIX	Install access to inside MMS	Done	1 day	2 Phenix techs	Done

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# Remaining Shutdown Tasks, Continued

TECHNICAL SUPPORT 20-0

<u>Project</u>	<u>Task</u>	<u>Completion Date</u>	<u>Task Duration</u>	<u>Personnel reqmts</u>	<u>Notes</u>
VTX	Mate east and west 1/2 detectors	Done	1 day	PHENIX tech, designer, VTX Grp	Done
VTX	Survey/align east and west detector	Done	2 days	PHENIX tech, designer, 3 surveyors	Done
VTX	Modify strongbacks for basket lift	Done	Done	1 PHENIX tech, designer	Done
VTX	Install extension rails	Done	1 day	2 PHENIX techs	Done
PHENIX	Veterans Day Holiday	Done	1 day	No Work	Done
RPC3S	NRTL cable trays	Done	1 day	PHENIX EE	Done
VTX	Transport west 1/2 detector to IR	Done	.5 day	2 PHENIX techs, VTX Group	Done
VTX	Install west 1/2 detector	Done	.5 day	6 PHENIX techs, VTX Group	Done
VTX	Assemble and install NOVEC distribution manifolds near VTX	Done	2 days	2 PHENIX techs	Done
RPC3S	Re-install shielding	Done	3 days	1 rigging crew	Done
VTX	Install humidity sensors	Done	1 day	1 PHENIX tech	Done
PHENIX	Remove bakeout equipment	11/18/2010	1 day	2 PHENIX techs, 2 CAD vac techs	In Progress
PHENIX	Survey and align MMS, CM and new BP	11/18/2010	3 days	1 PHENIX tech, 2 Surveyors	In Progress

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## Remaining Shutdown Tasks, Continued

TECHNICAL SUPPORT NO-0

<u>Project</u>	<u>Task</u>	<u>Completion Date</u>	<u>Task Duration</u>	<u>Personnel reqmts</u>	<u>Notes</u>
PHENIX	Annual PHENIX Safety Review	11/18/2010	2 days	1 ea PHENIX ME, EE, Scientist	Lynch, Pisani, Giannotti
PHENIX	Install power upgrade to bridge	11/19/2010	1 day	Electrician, PHENIX tech	In Progress
VTX	Route 100 LV cables from bridge rack to near VTX	11/19/2010	2 days	3 PHENIX techs	As soon as possible
VTX	Route 100+ thermocouple extensions from PLC box to near VTX	11/19/2010	1 day	3 PHENIX techs	Concurrent with LV routing
VTX	Route 260 duplex/simplex fibers from CME rack to near VTX	11/19/2010	1 day	3 PHENIX techs	Concurrent with LV routing
VTX	Route 7 Belden 16 pair cable trunks from CME rack to near the VTX	11/19/2010	1 day	3 PHENIX techs	Concurrent with LV routing
RPC3S	Finalize cable tray/Cable installation	11/19/2010	1 week	Electrician, PHENIX Tech, RPC Group	In Progress
RPC3S	Final piping	11/19/2010	1 week	1 phenix TECH	In Progress
VTX	Install west 1/2 detector Bias, LV and signal cables	11/19/2010	1 week	2 PHENIX techs	Immediately after survey
VTX	Install one Chiller for QA testing (on ground)	11/19/2010	2 days	2 PHENIX techs	ASAP ready for QA testing
VTX	Connect west 1/2 detector to NOVEC cooling	11/19/2010	1 day	2 PHENIX techs	Immediately after survey

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RPC3S	Thermostats	11/19/2010	1 day	1 electrician	As convenient
VTX	Survey/align west 1/2 detector	11/19/2010	3 days	PHENIX tech, 2 surveyors, designr	Immediately after installation
VTX	Transport east 1/2 detector to IR	11/19/2010	.5 day	2 PHENIX techs, scientists A/R	After west QA
VTX	Survey/align east 1/2 detector	11/23/2010	1 day	PHENIX tech, designer, 2 surveyors	after installation
RPC1&Abs Proto	Installation fixtures design and fabrication	11/24/2010	3 days	PHENIX ME, Designer	In Progress
RPC1&Abs Proto	Installation plan	11/24/2010	2 weeks	PHENIX ME	In Progress
RPC1&Abs Proto	WP	11/24/2010	3 days	PHENIX ME	In Progress
VTX	Install interlock PLC on bridge	11/24/2010	2 weeks	PHENIX EE, electrician, 1 PHENIX Tech	As soon as PLC is ready
PHENIX	Re-install BBCs cabling/cooling pipes	11/24/2010	1 week	2 PHENIX techs	Concurrent with survey
PHENIX	Re-install BBCs	11/24/2010	1 week	2 PHENIX techs	Req CM moves
RPC3S	Re-install FCAL and any other disrupted subsystems	11/24/2010	2 days	2 PHENIX techs, 1 PHENIX EE	As convenient
VTX	Install east 1/2 detector Bias, LV and signal cables	11/24/2010	1 week	2 PHENIX techs	after survey
PHENIX	WP for DC repairs	11/24/2010	2 days	ME	As convenient

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PHENIX	Thanksgiving Holiday	11/25-26/2010	2 days	No Work	Give Thanks
PHENIX	Re-install MPCs	12/2/2010	1 week	2 PHENIX techs	with BBC installs
PHENIX	Design CM alignment stops	11/30/2010	1 week	ME, designer	As time permits
PHENIX	Fabricate CM alignment stops	11/30/2010	1 week	CS	After design
PHENIX	Re-attach cables, gas piping, water piping and fibers to CM and MMS	11/30/2010	2 weeks	3 PHENIX techs	In Progress
PHENIX	MuTr and MuTrigger remaining subsystem tasks and tests	11/30/2010	2 weeks	1 PHENIX techs MuTr/Trig Groups	As convenient
PHENIX	Move MuID collars to IR	11/30/2010	1 day	3 PHENIX techs	After BBCsMPCs
PHENIX	Prep EC for move to IR	11/30/2010	1 day	3 PHENIX techs	After BBCs & MPCs & VTX
PHENIX	AH South exit chiller platform installation	11/30/2010	1 week	2 Carpenters	Install when rec'd
PHENIX	Close access to MMN	11/30/2010	1 day	1 PHENIX tech	> MuTr/ Trig < flam gas
RPC3S	RPC gas controllers final installation and RPC subsystem commissioning	11/30/2010	1 week	1 PHENIX tech, RPC Group	As soon as convenient
VTX	Connect east 1/2 detector to NOVEC cooling	11/30/2010	2 days	2 PHENIX techs	Immediately after survey
VTX	Install 3 chillers on chiller platform	11/30/2010	1 day	2 PHENIX techs	> platform is installed
FoCal Proto	Design plan	11/30/2010	2 weeks	PHENIX ME	In Progress
FoCal Proto	Installation plan	11/30/2010	2 weeks	PHENIX ME	In Progress

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VTX	In situ QA electronics test on east 1/2 detector	12/1/2010	2 days	PHENIX scientists A/R	As services are installed
VTX	Final VTX survey	12/2/2010	1 day	1 PHENIX tech, designer, 2 surveyors	After east QA
VTX	Final BP survey	12/2/2010	1 day	1 PHENIX tech, designer, 2 surveyors	After east QA
PHENIX	Remove manlifts, decking and 12 ton crane from IR to run storage	12/3/2010	1 day	3 PHENIX techs	After BBCs & MPCs & VTX installed
PHENIX	Move EC to IR	12/3/2010	1 day	3 PHENIX techs	After Prep
PHENIX	Wire dumb waiter	12/6/2010	1 day	Electrician	After dumb waiter installed
PHENIX	Install MuID collars	12/6/2010	1 day	3 PHENIX techs	After EC in IR
PHENIX	Fold down EC platforms and install dumb waiter	12/7/2010	1 day	2 carpenters, 2 riggers	After EC in IR
PHENIX	Re-install EC cables, fibers, water and gas piping	12/7/2010	4 days	3 PHENIX techs, 2 scientists, 1 electrician	After EC in IR
PHENIX	DC repairs	12/10/2010	3 days	1 PHENIX tech, PHENIX scientists A/R	After EC cables, etc. installed
PHENIX	Assemble shield wall	12/10/2010	4 days	1 rigging crew	After EC rolled in

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PHENIX	Install plug door	12/10/2010	1 day	1 rigging crew	After shield wall built
PHENIX	Close shield wall	12/10/2010	1 day	3 PHENIX techs	After pink/blue/white sheets
PHENIX	Gas mixing house R-134A shed addition R134A bottle warmers	12/15/2010	1 day	1 PHENIX Tech	Get CAD approval then order. Install when convenient
PHENIX	Pink sheets, blue sheets, white sheets	12/24/2010	2 weeks	2 PHENIX techs, PHENIX scientists A/R	After DC Repairs
PHENIX	Chiller platform fire detection and suppression	12/24/2010	1 week	1 CAD plumbers, 1electrician	ASAP after platform is installed
PHENIX	Install safety interlocks	12/24/2010	1 day	CAD safety	After shield wall closed
PHENIX	Start flammable gas	12/24/2010	1 day	1 PHENIX tech	After shield wall in place
PHENIX	End of shutdown party	12/30/2010	1 day	All of PHENIX	After shutdown completed
PHENIX	Close out all 2010 shutdown WP's	12/31/2010	1 day	1 PHENIX ME	After shutdown completed
RPC1&Abs Proto	Electronics & Gas Support Installation	1/1/2011???	3 days	3 PHENIX techs	Not Scheduled

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RPC1&Abs Proto	Installation	1/1/2011???	3 days	3 PHENIX techs	Not Scheduled
FoCal Proto	ESRC review	1/1/2011???	2 weeks	PHENIX ME	Not Scheduled
FoCal Proto	Support structure design	1/1/2011???	3 days	PHENIX ME, Designer	Not Scheduled
FoCal Proto	Support structure fabrication	1/1/2011???	2 weeks	2 PHENIX techs, CS	Not Scheduled
FoCal Proto	Electronics, cooling, gas support design	1/1/2011???	3 days	PHENIX ME, Designer	Not Scheduled
FoCal Proto	Electronics, cooling, gas support fabrication	1/1/2011???	1 week	2 phenix TECHS	Not Scheduled
FoCal Proto	Electronics, cooling, gas support installation	1/1/2011???	3 DAYS	3 phenix TECHS	Not Scheduled
FoCal Proto	Support structure installation	1/1/2011???	2 DAYS	3 phenix TECHS	Not Scheduled